UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/850,338	05/07/2001	Marko Schuba	52275-00003USPX	2528

38065	7590	03/31/2006

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EXAMINER
DINH, MINH

ART UNIT	PAPER NUMBER
2132	

DATE MAILED: 03/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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PTO-90C (Rev. 10/03)

-- *The MAILING DATE of this communication appears on the cover sheet with the correspondence address* --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE $\underline{3}$ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *20 January 2006*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,2,4-6,8-15,17,19-26,28 and 33-38* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,2,4-6,8-15,17,19-26,28 and 33-38* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *07 May 2001* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All   b)☐ Some *   c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☐ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application (PTO-152)

6)☐ Other: _____.

DETAILED ACTION

Response to Amendment

1.   This action is in response to the amendment filed 01/20/2006. Claims

1, 4, 14, 17 and 25-26 have been amended.

Response to Arguments

2.   Applicant's arguments filed 001/20/2006 have been fully considered

but they are not persuasive. Applicant argues that neither Elgamal reference

nor "WML Script Crypto Library" (hereinafter Crypto), either individually or in

combination, disclose utilizing selected parts of the content to reduce the

amount of data for transfer to the UE (page 10, last two paragraphs).

Crypto discloses utilizing selected parts of a transaction (e.g., a short

description of items to be purchased, the amount for each item and the total

amount to be paid) for authorizing the transaction in a mobile system (see

Example at top of page 11). The amount of data representing the selected

parts of the transaction is suitable for transmission in the mobile system as

well as for display at mobile devices.

       Applicant states that Elgamal discloses displaying an indication which

is an offer message comprising "orderDes" that describe the transaction

(page 11, 2nd paragraph). However, Applicant argues that Elgamal does not

disclose displaying an indication comprising a string (T). The offer message

comprises human-readable text and therefore meets the limitation of a

string. In response to applicant's argument that the references fail to show

certain features of applicant's invention, it is noted that the features upon

which applicant relies (i.e., the indication is a string that is readable by the

user and only contains a brief summary of parts of the transaction to be

authorized, see page 11, 2nd paragraph) are not recited in the rejected

claim(s). Although the claims are interpreted in light of the specification,

limitations from the specification are not read into the claims. See *In re Van

Geuns*, 988 F.2d 1181, 26 USPQ2d 1057 (Fed. Cir. 1993).

Claim Rejections - 35 USC § 103

3.   The following is a quotation of 35 U.S.C. 103(a) which forms the basis

for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or
> described as set forth in section 102 of this title, if the differences between the subject
> matter sought to be patented and the prior art are such that the subject matter as a
> whole would have been obvious at the time the invention was made to a person having
> ordinary skill in the art to which said subject matter pertains. Patentability shall not be
> negatived by the manner in which the invention was made.

4.   Claims 1-2, 4-6, 8-15, 17, 19-26, 28 and 33-36 are rejected under 35

U.S.C. 103(a) as being unpatentable over Elgamal (5,671,279) in view of

"WMLScript Crypto Library" (hereinafter Crypto).

With respect to claims 1-2, which are exemplary of claims 17 and 25-

26, Elgamal discloses a method for authorizing transactions, wherein a user

equipment (fig. 1, element 16) receives an authorization request for a

transaction with a hash of the authorization request (fig 1; col. 9, lines 43-

60; col. 25, lines 47-66), which meets the limitation of an identifier of a

transaction (specification p. 12, lines 1-2) and the user equipment replies to

the request with an authorization response (fig. 2), said method comprising

the steps of: calculating the identifier from the transaction information,

transmitting the authorization request with the identifier to the user

equipment (col. 9, lines 55-60; col. 5, lines 20-28), receiving the

authorization request (fig. 1; col. 9, lines 55-60; col. 25, lines 44-57),

determining the transaction information, which meets the limitation of a

string T understandable by the user and indicating the authorization request

(col. 26, lines 13-21), selecting the transaction information; outputting the

transaction information by the user equipment (col. 26, lines 13-21 and 64-

66), waiting for an input to approve or disapprove the authorization request

(col. 25, lines 44-57; col. 26, lines 13-21 and 64-66), signing the identifier

(col. 9, line 60 – col. 10, line 12; col. 26, lines 13-21 and 64-66), and

sending the authorization response according to the input, wherein an

approving authorization response comprises the signed identifier (fig. 2; col.

9, line 60 – col. 10, line 12). Elgamal does not disclose utilizing selected

parts of transaction information for authorizing a transaction in a mobile

phone system. Crypto discloses authorizing a transaction in Wireless

Application Protocol using signText function which utilizes selected parts of

the transaction information (Section 5.1.1, Introduction; Section 5.1.2,

signText Function Definition). It would have been obvious to one of ordinary

skill in the art at the time the invention was made to modify the Elgamal

method to use signText function which utilizes selected parts of transaction

information, as taught in Crypto, in order to provide transaction

authorization in a mobile phone system.

With respect to claim 14, Elgamal discloses a server for processing

authorization procedures in a communication system comprising: an

interface to exchange messages between the server and a user equipment

connected to the communication system, a processing system adapted to

send an authorization request for a transaction which is to be authorized to

the user equipment and to receive an authorization response from the user

equipment (figures 1 and 2), wherein the processing system is further

adapted for calculating an identifier for the transaction information, including

the identifier in the authorization request (col. 9, lines 43-44 and 55-60) and

transmitting the authorization request to the user equipment, wherein the

user equipment determines an indication for the authorization request, and

the server being adapted for checking the authorization response for the

identifier signed by the user equipment (col. 9, line 61 – col. 10, line 12; col.

28, line 65 – col. 29, line 21). Elgamal does not disclose utilizing selected

parts of transaction information for authorizing a transaction in a mobile

phone system. Crypto discloses authorizing a transaction in Wireless

Application Protocol using signText function which utilizes selected parts of

the transaction information (Section 5.1.1, Introduction; Section 5.1.2,

signText Function Definition). It would have been obvious to one of ordinary

skill in the art at the time the invention was made to modify the Elgamal

server such that it uses signText function which utilizes selected parts of the

transaction information, as taught in Crypto, in order to allow a mobile

phone user to authorize a transaction using the mobile phone.

With respect to claims 4, 19 and 28, Elgamal further discloses that the

displayed indication included in the authorization response is determined for

the authorization request (col. 9, lines 61-67).

With respect to claims 5 and 20, Elgamal further discloses that a check

is performed whether a connection is classified as safe and the indication is

selected according to the check (col. 9, lines 4-7).

With respect to claims 6 and 21, Elgamal further discloses that the

authorization request comprises a signature of the sender and a check of the

sender signature is performed (col. 9, line 60; col. 28, lines 4-8).

With respect to claim 22, Elgamal further discloses that the indication

is selected according to the check (col. 4, lines 51-57).

With respect to claims 8-9 and 23-24, Elgamal further discloses using a timestamp as an additional parameter in any type of message (col. 9, line 60; col. 28, lines 4-8).

With respect to claim 15, Elgamal further discloses that the server comprises an interface to receive messages from a further entity and the processing system is adapted to extract the content for authorization from a message received from the further network entity and to send a reply to the further network entity, wherein the reply is determined by the authorization response (fig. 2, col. 29, lines 36-38).

With respect to claims 10-13 and 33-36, Elgamal does not disclose that the authorization request is sent by a server (MS) after reception of a message from a further entity and the server forwards an approval of the identifier and the indication to the further entity. Crypto discloses that an authorization request including an identifier is sent by a proxy server to a mobile device after the proxy server receives a message from a further entity and the proxy server forwards an approval of the identifier and the indication to the further entity (p. 14, section 6.1, Usage with signText; Section 6.2, Hash Calculation and Relationship to PKCS#7 SignedData, "When a mobile device ... not supporting WAP signed content type"; p. 15, "A proxy server MAY construct ... WML or WMLScript"). It would have been obvious to one of ordinary skill in the art at the time the invention was made

to modify the Elgamal method such that the authorization request is sent by

a server (MS) after reception of a message from a further entity and the

server forwards an approval of the identifier and the indication to the further

entity, as taught in Crypto. The motivation for doing so would have been to

enable end-to-end signed content verification with servers not supporting

the WAP signed content type.

5.   Claims 37 and 38 are rejected under 35 U.S.C. 103(a) as being

unpatentable over Elgamal in view of Crypto as applied to claims 1 and 17

above, and further in view of "Let Your Phone Read the Web to You".

Elgamal and Crypto do not disclose that the output of the string sent to the

mobile phone comprises an auditory signal. "Let Your Phone Read the Web

to You" discloses converting text messages sent to the mobile phone to

speech for voice outputting to a mobile phone (1st paragraph). It would

have been obvious to one of ordinary skill in the art at the time the invention

was made to modify the combined method of Elgamal and Crypto such that

the output of the indication string comprises an auditory signal, as taught in

the "Let Your Phone Read the Web to You" reference. Mobil phones have

limited output display screen.

Conclusion

6.   **THIS ACTION IS MADE FINAL.** Applicant is reminded of the
extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to
expire THREE MONTHS from the mailing date of this action. In the event a
first reply is filed within TWO MONTHS of the mailing date of this final action
and the advisory action is not mailed until after the end of the THREE-
MONTH shortened statutory period, then the shortened statutory period will
expire on the date the advisory action is mailed, and any extension fee
pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the
advisory action. In no event, however, will the statutory period for reply
expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications
from the examiner should be directed to Minh Dinh whose telephone number
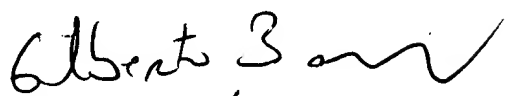is 571-272-3802. The examiner can normally be reached on Mon-Fri:
10:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the
examiner's supervisor, Gilberto Barron can be reached on 571-272-3799.
The fax phone number for the organization where this application or
proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained

from the Patent Application Information Retrieval (PAIR) system. Status

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access to the Private PAIR system, contact the Electronic Business Center

(EBC) at 866-217-9197 (toll-free).

MD

Minh Dinh
Examiner
Art Unit 2132

MD
3/22/06

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